

A    C  
 G    T    Matrix    (a)

AAA AAC ACA ACC CAA CAC CCA CCC  
 AAG AAT ACG ACT CAG CAT CCG CCT  
 AGA AGC ATA ATC CGA CGC CTA CTC  
 AGG AGT ATG ATT CGG CGT CTG CTT    (b)  
 GAA GAC GCA GCC TAA TAC TCA TCC  
 GAG GAT GCG GCT TAG TAT TCG TCT  
 GGA GGC GTA GTC TGA TGC TTA TTC  
 GGG GGT GTG GTT TGG TGT TTG TTT

DNA Fragment  
 -----ATTCTTGTTA----

ATT  
 TTC                    TTA, TTG  
 TCT  
 CTT  
 TTG                    TTA    (c)  
 TGT  
 GTT  
 TTA

Correct Assembly

Possible N+1 List

FIG. 1

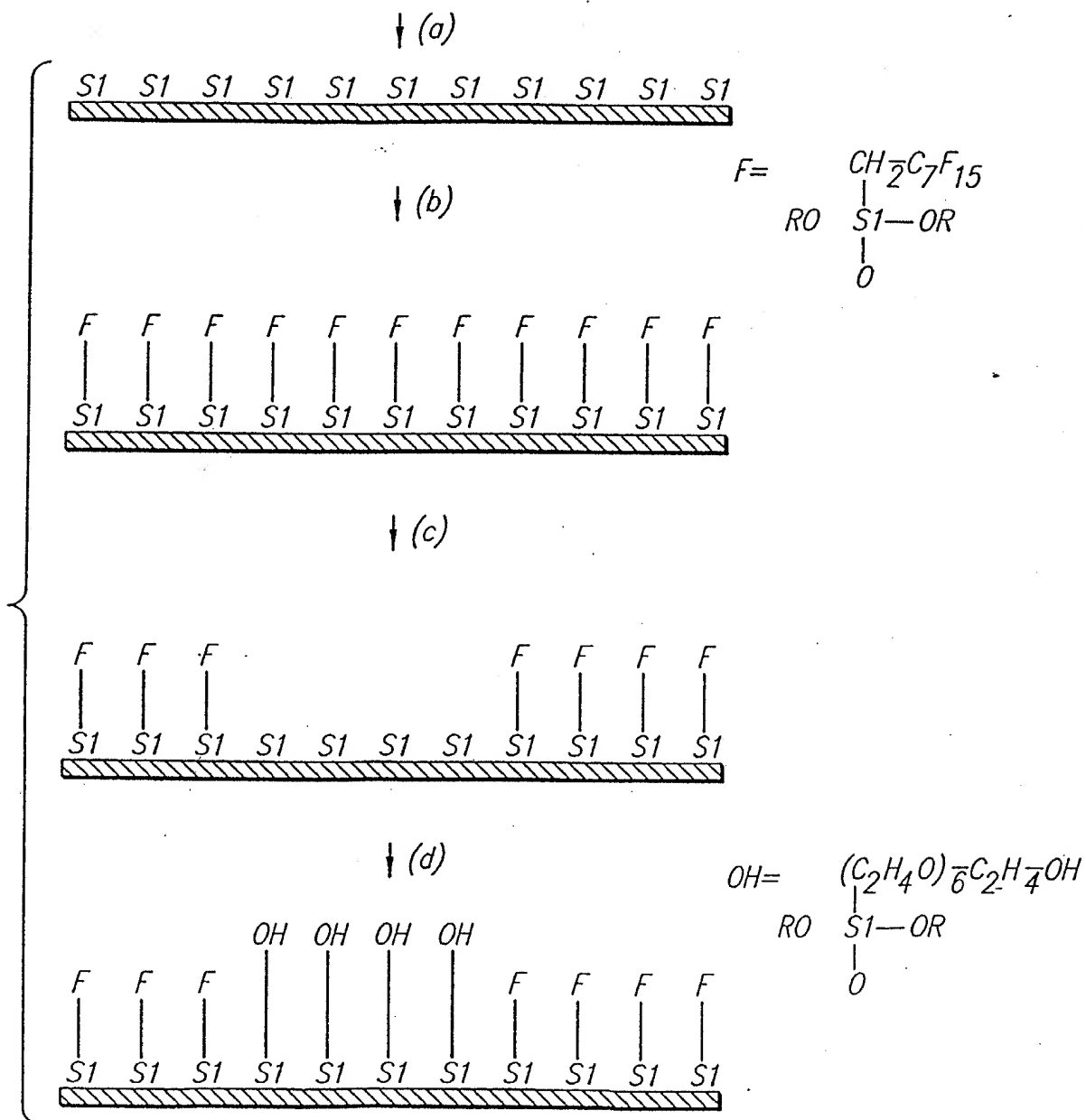
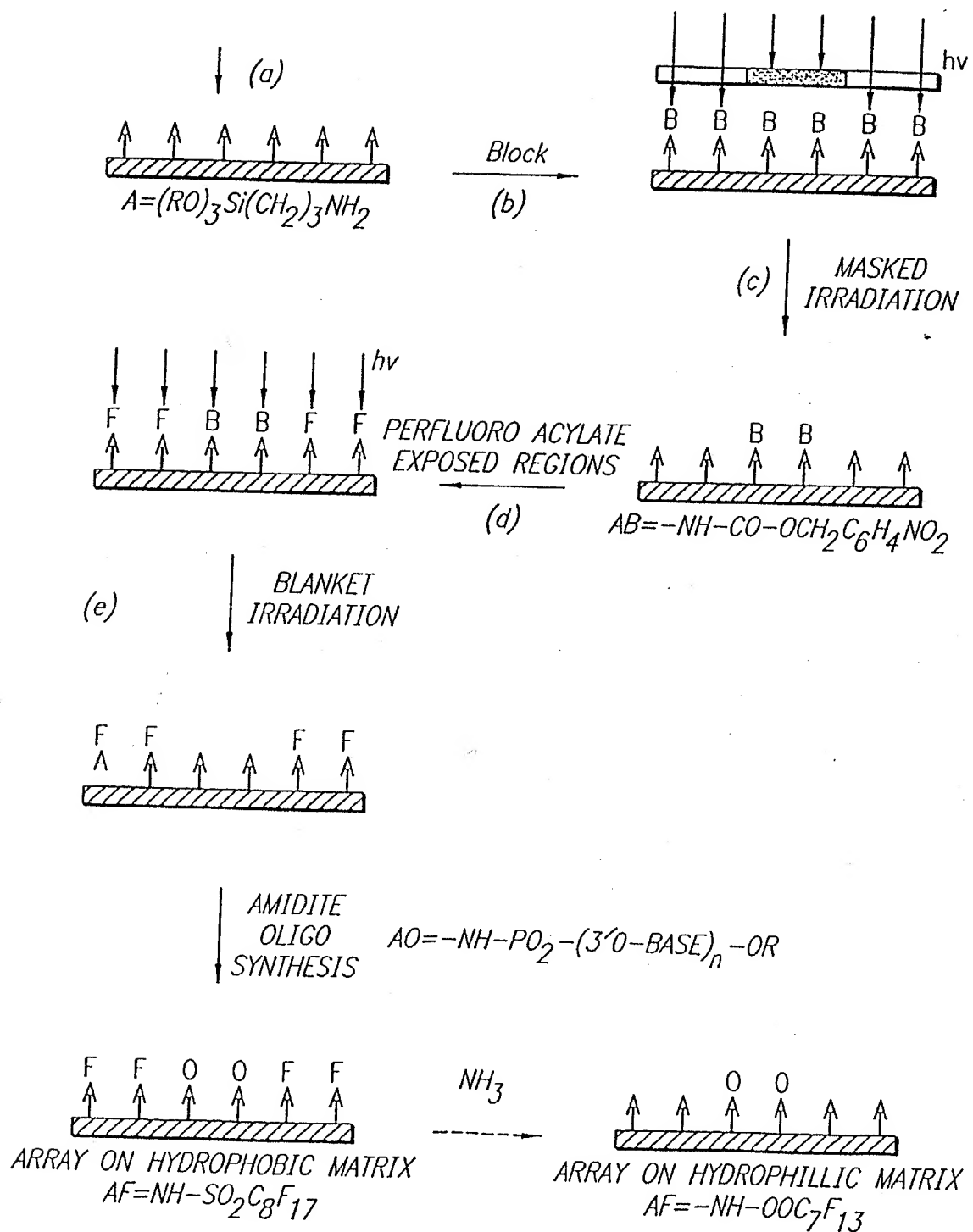


FIG. 2A

FIG. 2B



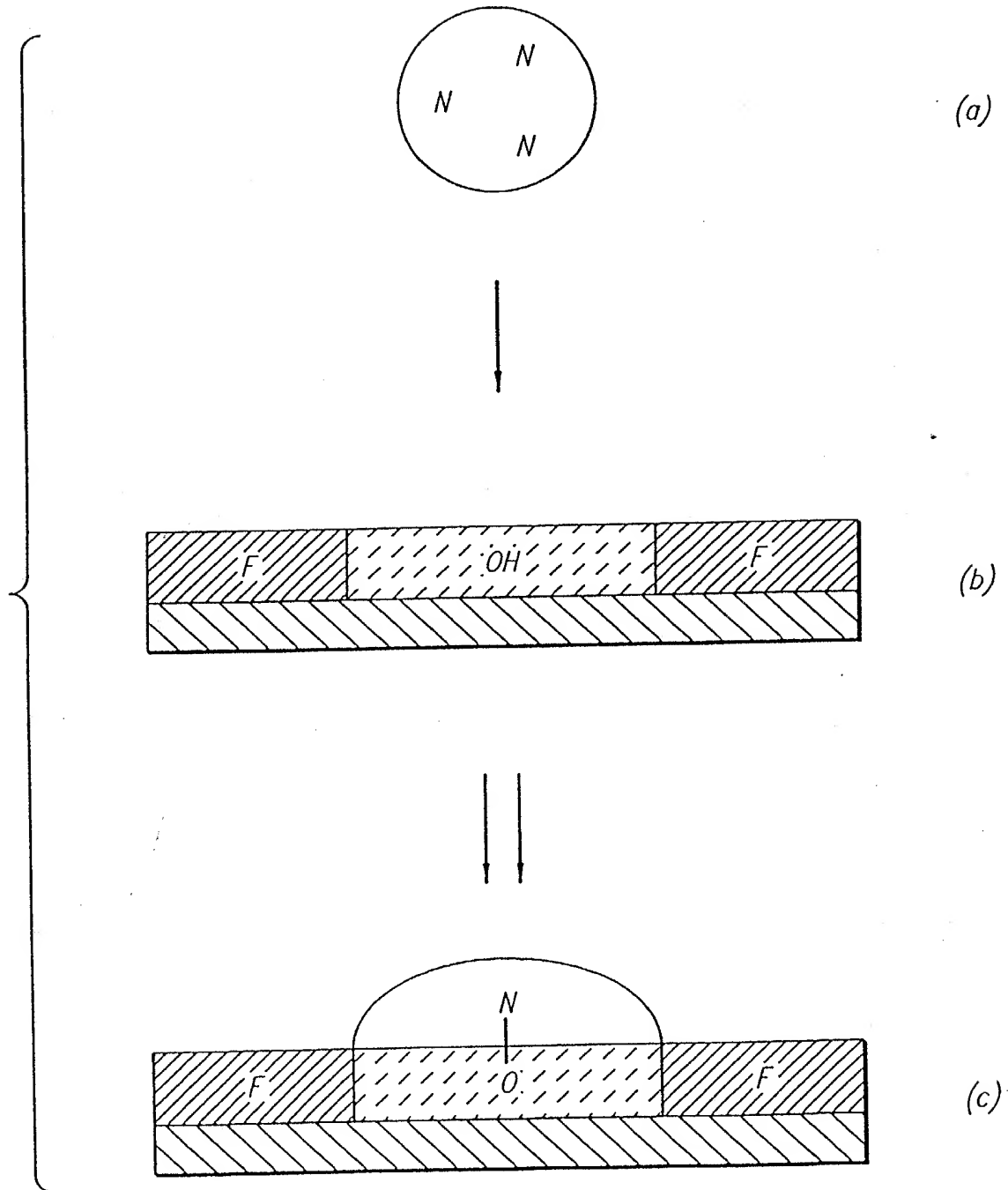


FIG. 3

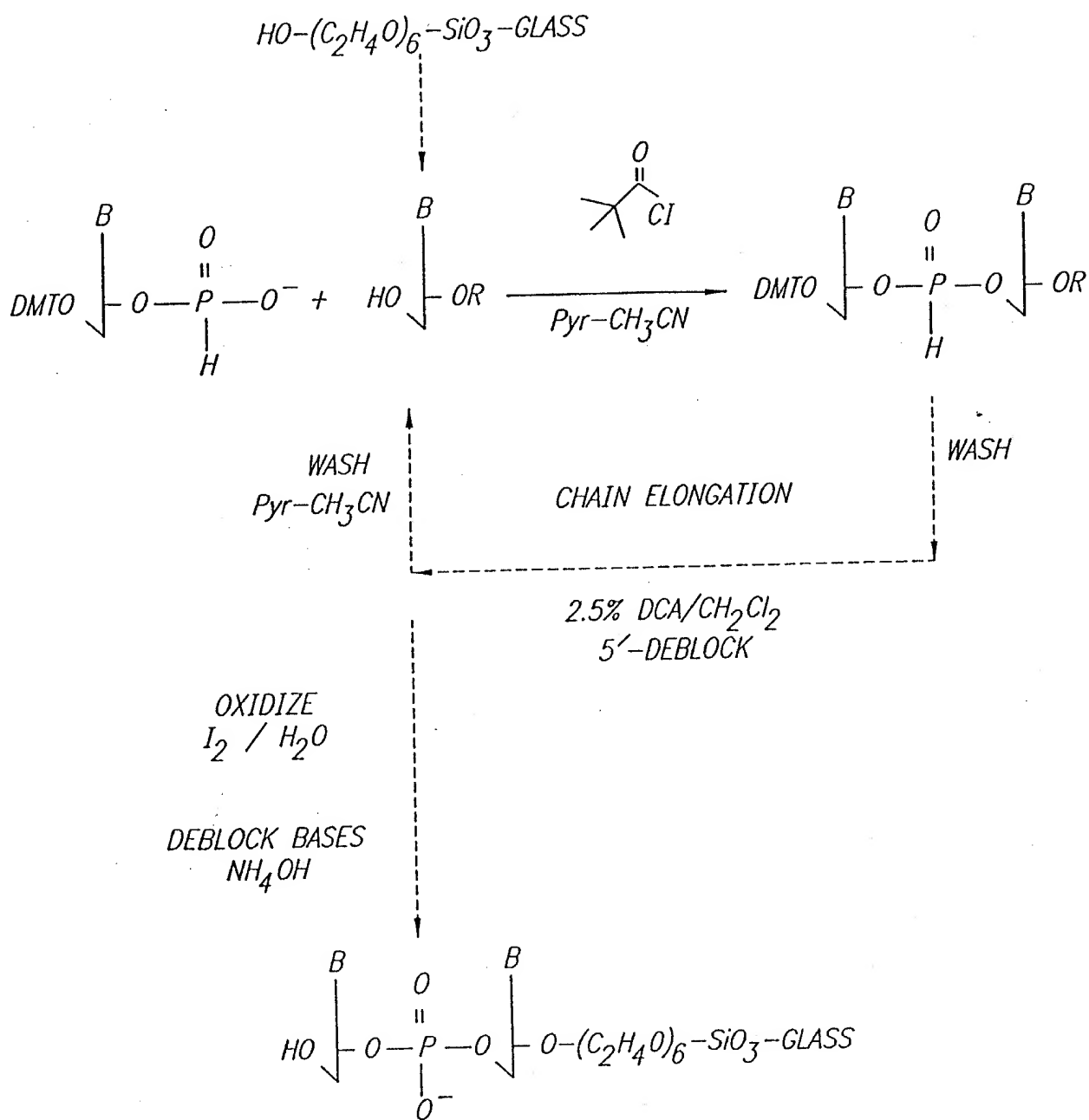


FIG. 4

FIG. 5A

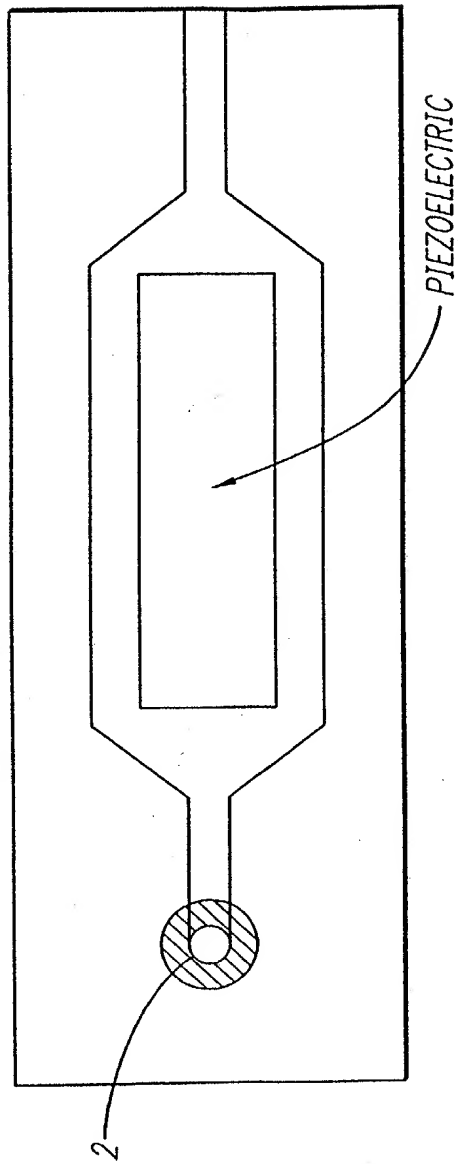


FIG. 5B

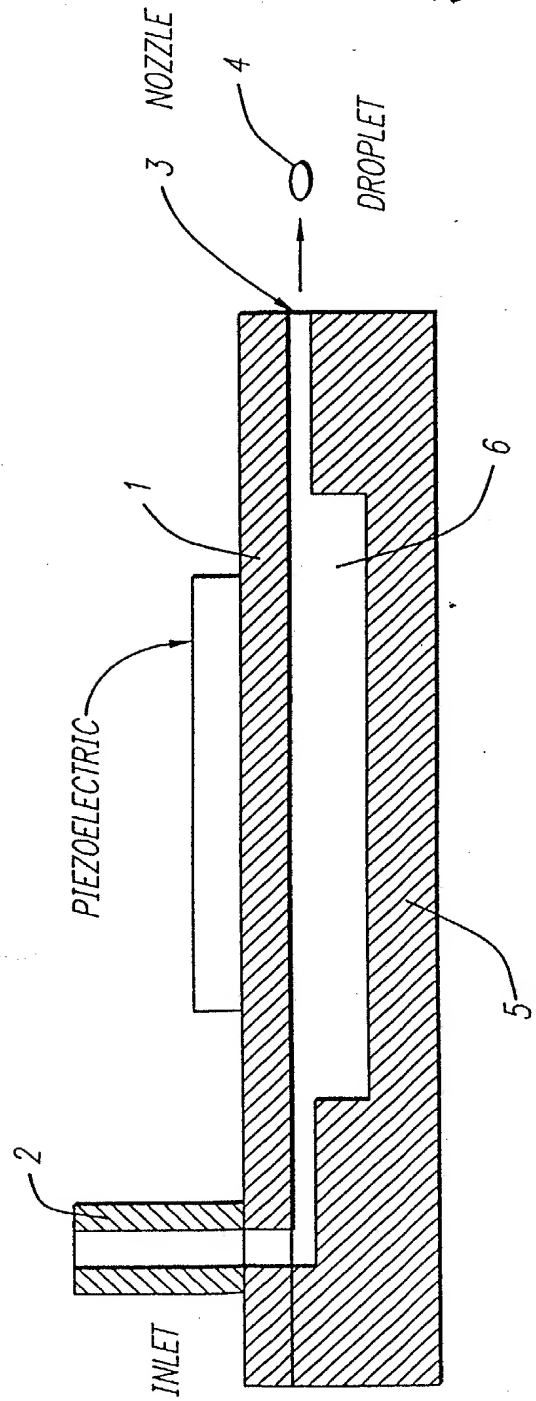
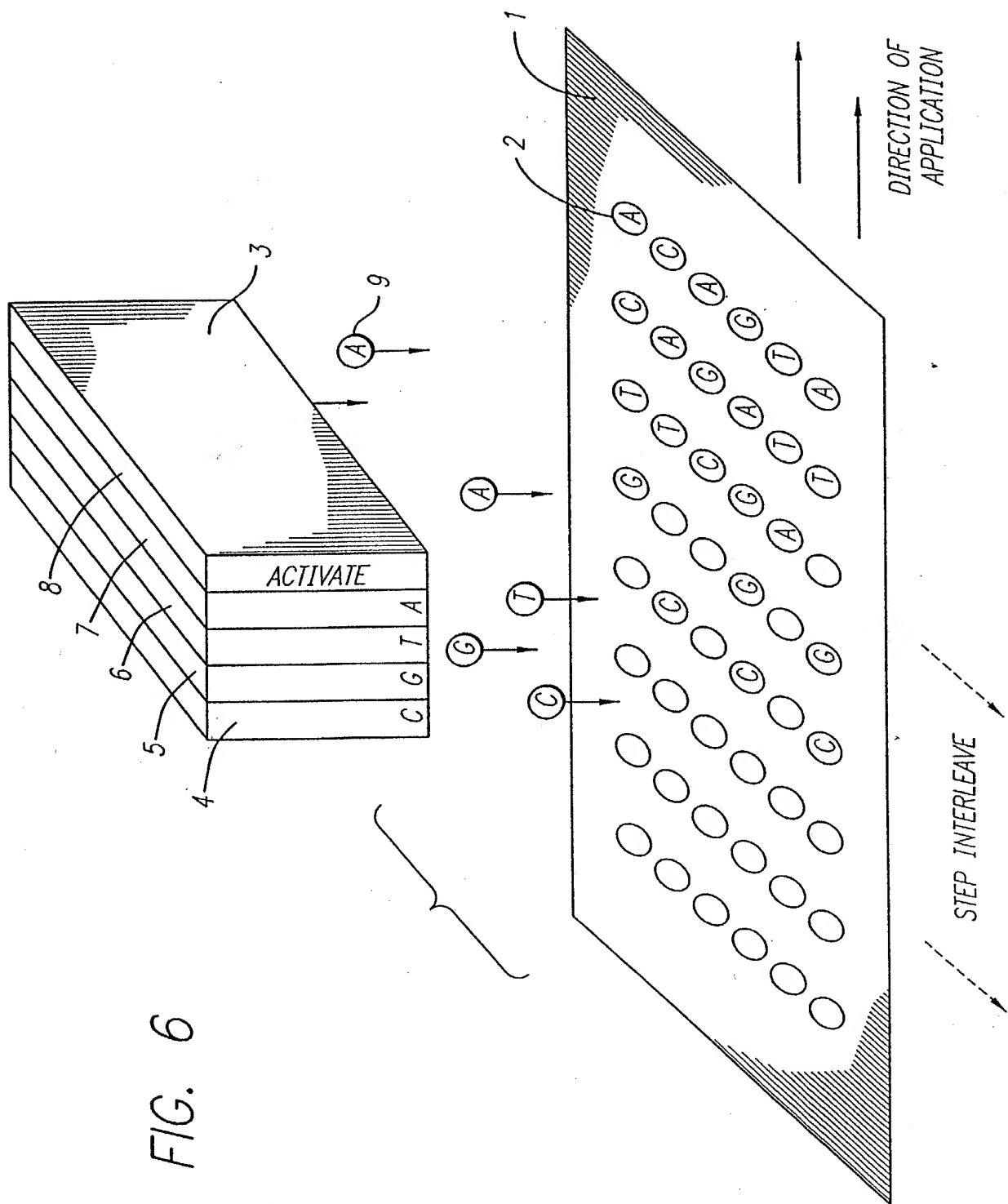


FIG. 6



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REAGENT INLET MANIFOLD

SLIDING COVER

REAGENT OUTLET MANIFOLD

ARRAY PLATE

1

2

3

4

5

6